



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

75753-2

Date of Issuance:

11/14/16

Expiration Date: 9/2/2022

Term of Issuance:

Conditional

Name of Pesticide Product:

Furfural Technical

Name and Address of Registrant (include ZIP Code):

Agriguard Company, LLC
186 N. Ave. East (Centennial Plaza)
Cranford, NJ 07016

C/O Jane Eickhoff
ToXcel Toxicology and Regulatory Affairs
7140 Heritage Village Plaza
Gainesville, VA 20155-3061

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(B) for a limited period of time. This registration will automatically expire September 2, 2022 except as described below:

1. Agriguard has indicated that it may choose to seek a cancer reassessment that could allow EPA to remove or extend the expiration date. If Agriguard submits study protocols or additional data in accordance with the following schedule and EPA fails to complete its review/reassessment within the designated PRIA timeframe, the expiration date will toll day by day as described further below:

Signature of Approving Official:

Cynthia Giles-Parker, Chief
Fungicide Branch, Registration Division (7505P)

Date:

11/14/16

- In order for EPA to determine whether additional data (e.g. a mouse feeding study) would be beneficial for a cancer reassessment, Agriguard will submit a mouse kidney and a rat nasal inhalation study for furfuryl alcohol by December 31, 2018; these studies will be reviewed upon submission under PRIA category R124 or its successor. The previously submitted (January, 2015) report by an independent Pathology Working Group (PWG), will also be reviewed under a separate PRIA category R124 upon submission of the rat nasal or mouse kidney MOA study.
 - Agriguard will submit an application for a cancer reassessment by March 1, 2021 under PRIA category R370.
 - To ensure both of these deadlines can be met, interim steps will follow the timeline described in the **attached** schedule, “Predicted Mode of Action Studies Timeline.” Standard PRIA fees and timelines apply to submissions covered by PRIA.
2. If the PRIA actions listed above are not submitted per the schedule, EPA, may, at its sole discretion, allow the registration to expire on September 2, 2022. If the submission of the cancer Mode of Action (MOA) studies is delayed by a disease outbreak involving the mice or rats during study execution or other circumstances that EPA agrees could not have been foreseen by, or are outside the control of, Agriguard, the expiration date will toll day by day with the extension not to exceed 12 months.
 3. EPA will notify Agriguard of its decision on the cancer reassessment by email followed by a mailed letter. The date of the email notification will be considered the date of EPA’s notification for the purposes of these terms.
 4. Upon notification of an EPA determination to retain the current cancer classification and Q* (as described in HED’s June 7, 2016 Human Health Risk Assessment), this registration shall expire on September 2, 2022 or the day EPA makes its determination, whichever is later.
 5. Upon notification of an EPA determination to change the cancer classification or Q* in a way that lessens the estimated risk of cancer, Agriguard may within 30 days request an amendment to the registration to remove or extend the time-limitation. If no amendment request is received within that timeframe, the registration will expire on September 2, 2022 or the 31st day after EPA’s notification, whichever is later.

In addition, you must comply with the following conditions:

6. Submit and/or cite all data required for registration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.
7. You are required to comply with the data requirements described in the DCI identified below:
 - a. Furfural GDCI-043301-1560

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

8. Submit one copy of the final printed label for the record before you release the product for shipment.
9. Submit by February 15th of each year data on the annual shipment quantity (gallons) of Multiguard Protect for the previous calendar year.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy the conditions listed above in paragraphs 6 through 8, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product confirms acceptance of all of the terms and conditions described above. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 5/28/2003

If you have any questions, please contact Hope Johnson by phone at 703-305-5410, or via email at johnson.hope@epa.gov.

Enclosure stamped "accepted" label
 Timeline for MOA data

Predicted Mode of Action Studies Timeline

Activity	Predicted Timing
Protocol preparation for Mouse Kidney and Rat Nasal Furfuryl Alcohol Mode of Action (MOA) studies	December 31, 2016
Furfuryl Alcohol MOA protocols review by EPA	Q1,2017
Finalization of protocols by EPA	March 31, 2017
Review final protocols and scheduling details with laboratories and consulting target organ specialist(s).	Q2, 2017 – Q3-2017
Mouse Kidney and Rat Nasal Furfuryl alcohol MOA Studies	Q4, 2017 – Q3, 2018
Submit Mouse Kidney and Rat Nasal Furfuryl alcohol MOA Studies;	December 31, 2018
Submit protocol for Mouse Liver Furfural MOA study for EPA review.	December 31 ,2018
Finalize protocol; review final protocol and scheduling details with lab and consulting target organ specialist.	Q1, 2019 – Q2, 2019
Receive EPA R124 review of the Mouse Kidney and Rat Nasal Furfuryl Alcohol MOA studies, evaluate whether furfural MOA study is needed.	June 30, 2019
Mouse liver Furfural MOA study, if needed.	Q3, 2019 – Q2, 2020
Submit Mouse liver Furfural MOA study	September 30, 2020

Center panel

Furfural Technical

For Manufacturing Use Only

Active Ingredient	(% by weight)
Furfural.....	99.7%
Other Ingredients.....	0.3%
TOTAL.....	100.0%

1 gallon of Furfural Technical contains 9.64 lbs furfural
1 gallon of Furfural Technical weighs 9.67 lb at 68°F

KEEP OUT OF THE REACH OF CHILDREN

WARNING/AVISO

**Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)**

FIRST AID

If Swallowed	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If in Eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If Inhaled	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice
HOTLINE NUMBER: CHEMTREC 1-800-424-9300 (24 hours)	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

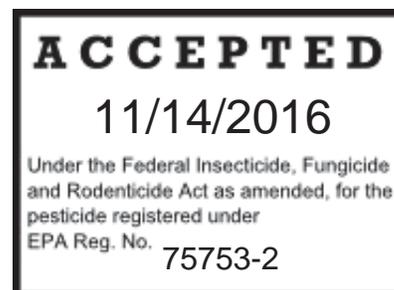
Agriguard Company, LLC

Centennial Plaza, Suite 100, P.O. Box 630, 186 North Avenue East, Cranford, NJ 07016

EPA Registration No. 75753-2

EPA Establishment No. 48450-TX-01

Net Contents: __ gal.



Left panel

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS
WARNING/AVISO

May be fatal if swallowed. Harmful if absorbed through skin or if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Furfural is a combustible, yellow liquid that turns reddish-brown upon exposure to light and air, and possesses a heavy almond-like odor. Vapors are heavier than air and may travel to a source of ignition and flash back. Hazardous polymerization may occur if heated or catalyzed. Irritating to eyes, skin and respiratory system. Inhalation may cause headache, nausea and central nervous system depression. May be absorbed through intact skin.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds and harmful to the aquatic environment. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Control Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Can be degraded by contact with acids or bases. Keep away from ignition sources.

WARRANTY

Seller warrants that the product conforms to its chemical description and when used according to label directions, it is reasonably fit for the purpose stated on the label. To the extent consistent with applicable law, seller makes no other warranty, either expressed or implied, of merchantability or of fitness for a particular purpose or otherwise, and to the extent consistent with applicable law, all risks are assumed by buyer.

Right panel

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For Manufacturing Use Only

Only for formulation into a liquid growing media/soil treatment for commercial greenhouse (indoor) ornamental use; pre-plant on bare soil use (non-food outdoors) on fruiting vegetables, cucurbits, citrus, pome fruits, stone fruits, berries and tree nuts (Crop Groups 8, 9, 10, 11, 12, 13 and 14, respectively); terrestrial (outdoor) non-food use on field grown plants/ornamentals (including non-bearing fruit trees and vines and cut flowers); established turf on golf course tees, greens, practice greens and athletic fields; and spot treatment on fairways, roughs and turf/sod farms to control root infesting plant parasitic nematodes, and suppress fungal plant diseases such as species of *Pythium*, *Phytophthora*, *Fusarium* and *Rhizoctonia*.

For end-use products that contain pre-plant (bare soil) uses, the label must require a closed system that meets the criteria in 40 CFR 170.607 (d)(2) and (d)(3).

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in the original container in a secure, cool, dark, well-ventilated area away from ignition sources. Store away from oxidants, strong acids and strong bases. Do not store in plastic containers. The color of furfural turns to red-brown during storage. Storage under nitrogen is recommended.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance

Container Handling: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

Triple rinse container (or equivalent) promptly after emptying. Containers ≤ 5 gallons triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Containers > 5 gallons triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.